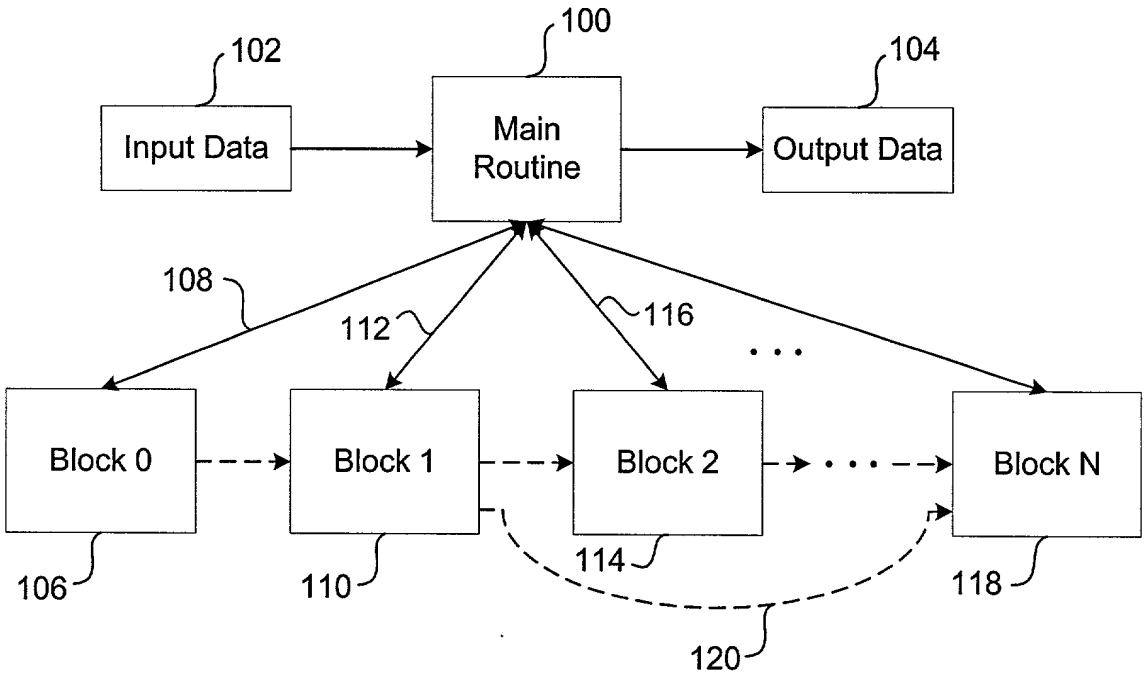
100
102
104
Input Data
Main Routine
Output Data
108
112
116
Block 0
Block 1
Block 2
Block N
106
110
114
118
120

FIG. 1

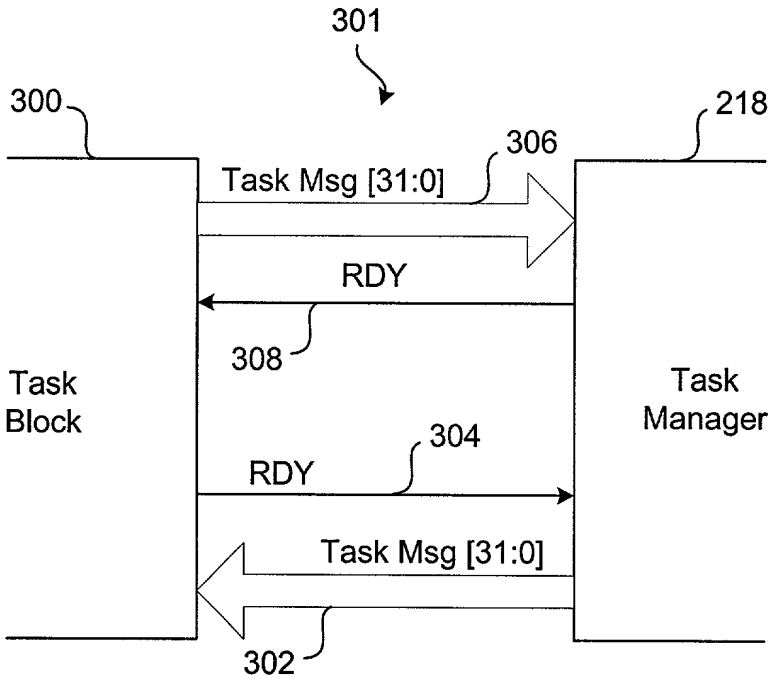
301
300
218
306
Task Msg [31:0]
RDY
308
Task Block
Task Manager
304
RDY
Task Msg [31:0]
302

FIG. 3

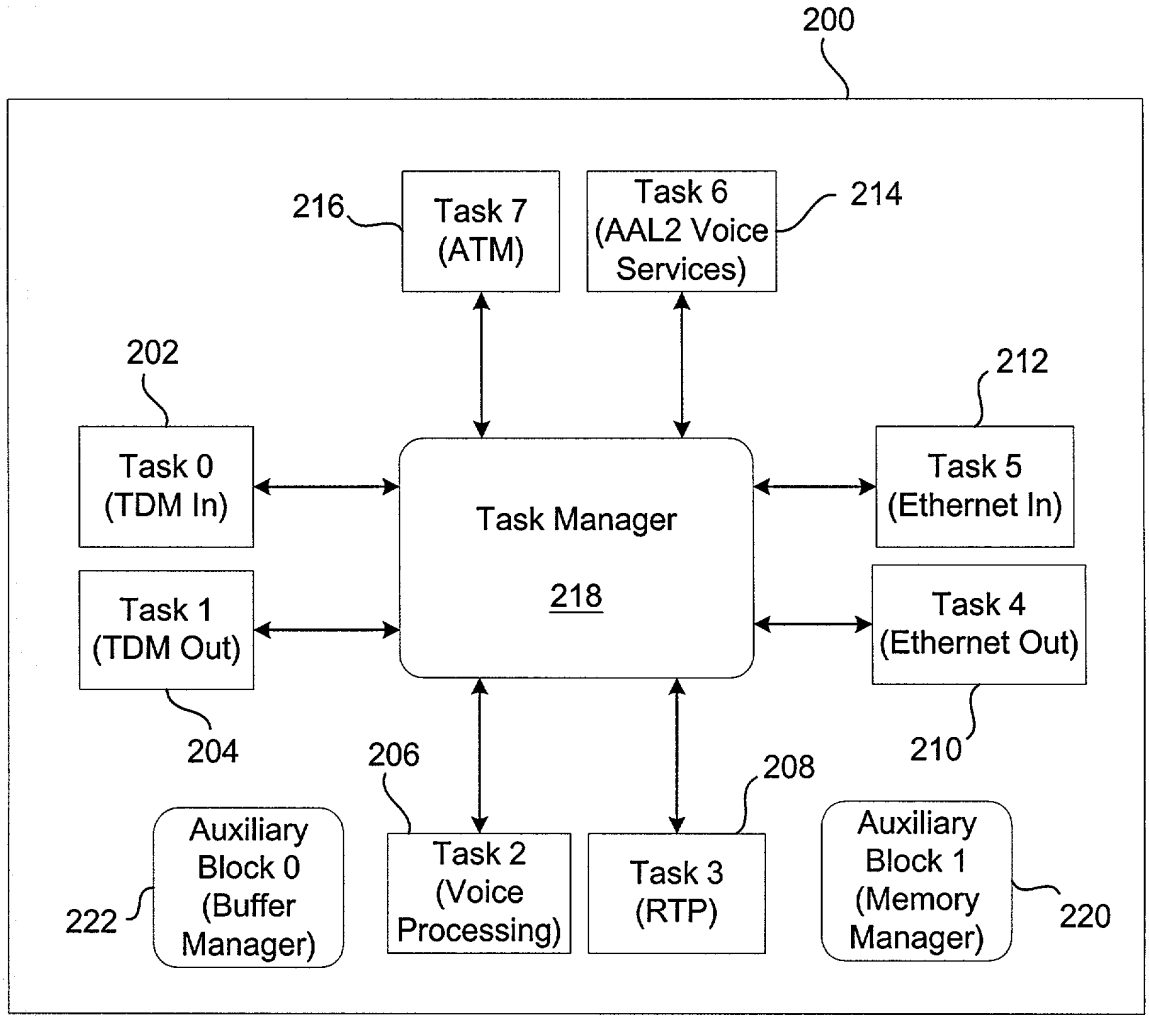
200
216
Task 7 (ATM)
Task 6 (AAL2 Voice Services)
214
202
212
Task 0 (TDM In)
Task Manager
218
Task 5 (Ethernet In)
Task 1 (TDM Out)
Task 4 (Ethernet Out)
204
206
208
210
Auxiliary Block 0 (Buffer Manager)
Task 2 (Voice Processing)
Task 3 (RTP)
Auxiliary Block 1 (Memory Manager)
222
220

FIG. 2

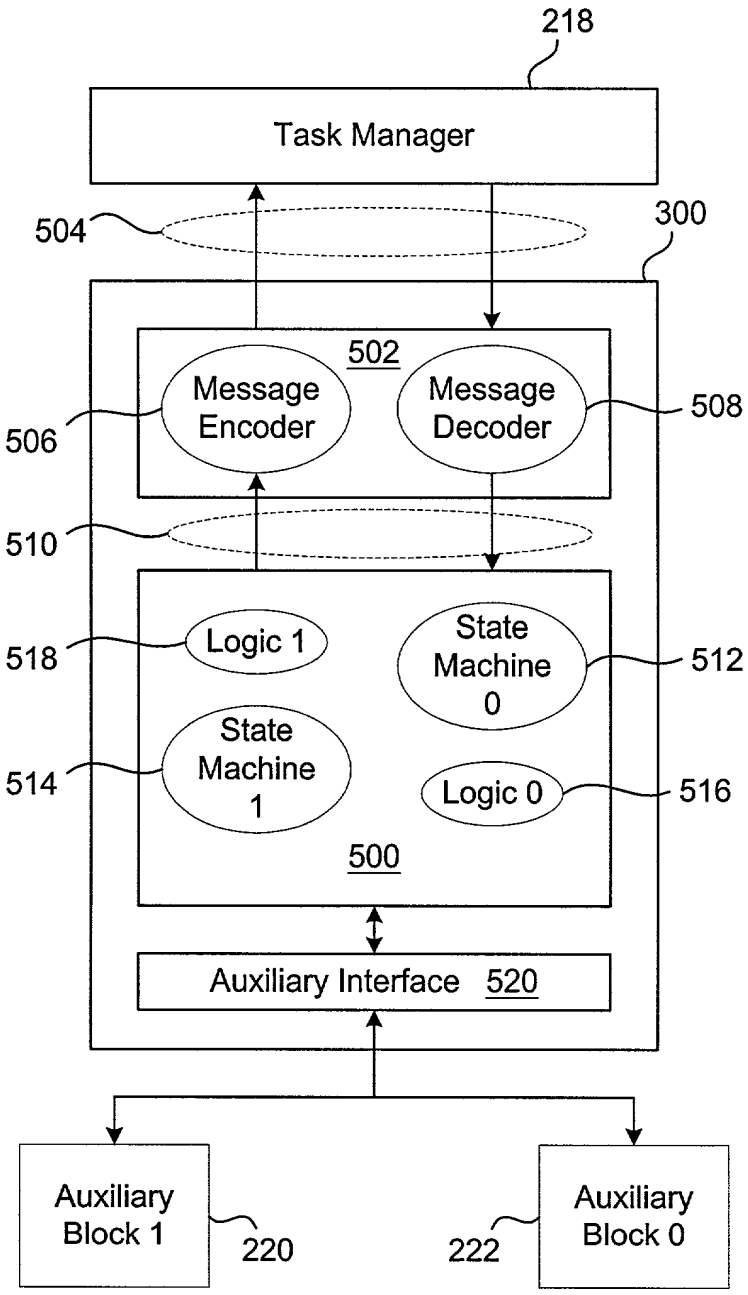
218
Task Manager
504
300
502
Message Encoder
Message Decoder
506
508
510
Logic 1
State Machine 0
518
512
State Machine 1
Logic 0
514
516
500
Auxiliary Interface 520
Auxiliary Block 1
220
222
Auxiliary Block 0

FIG. 5

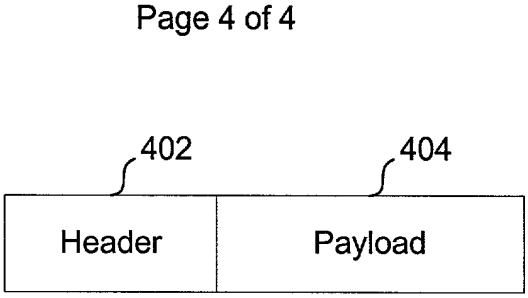

FIG. 4a

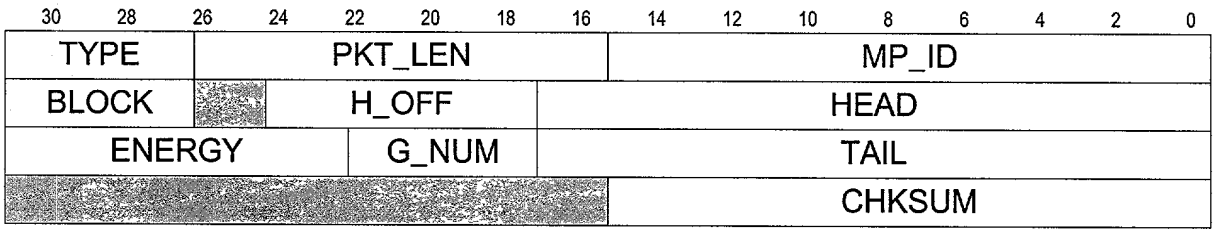

FIG. 4b

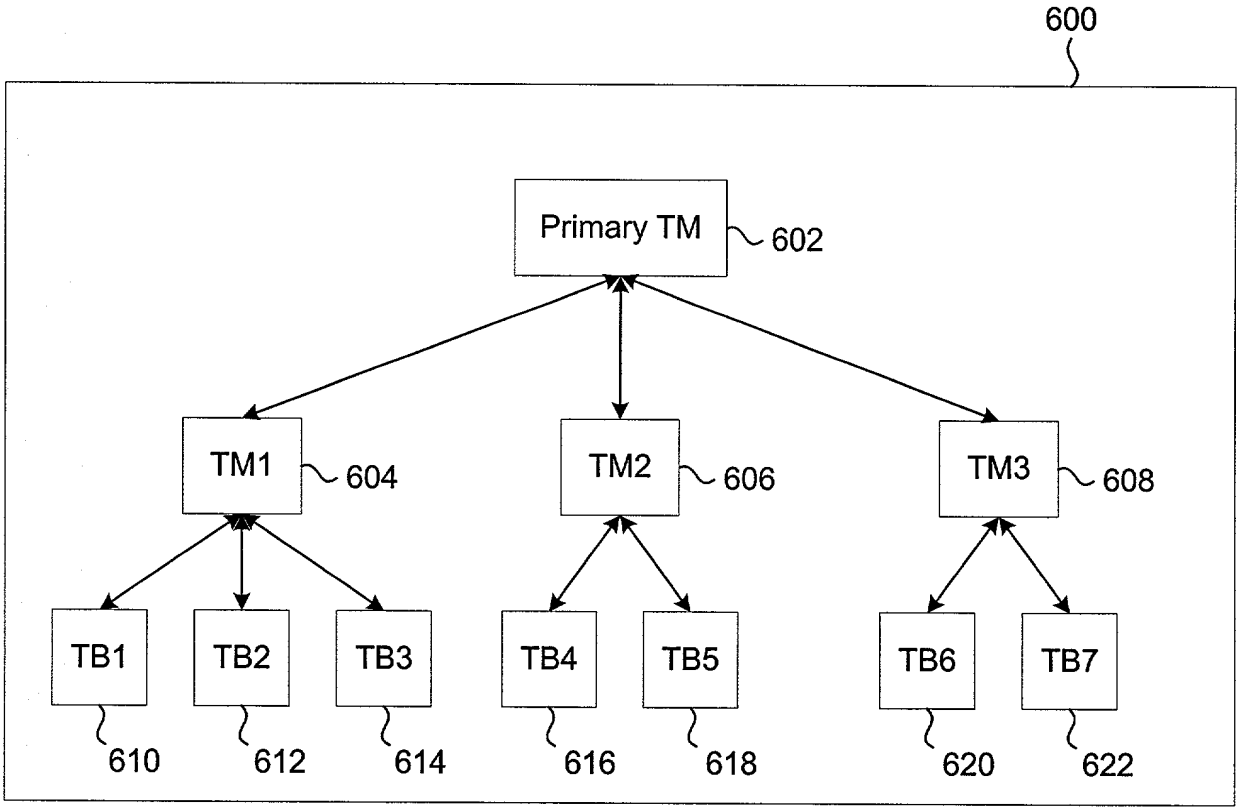

FIG. 6